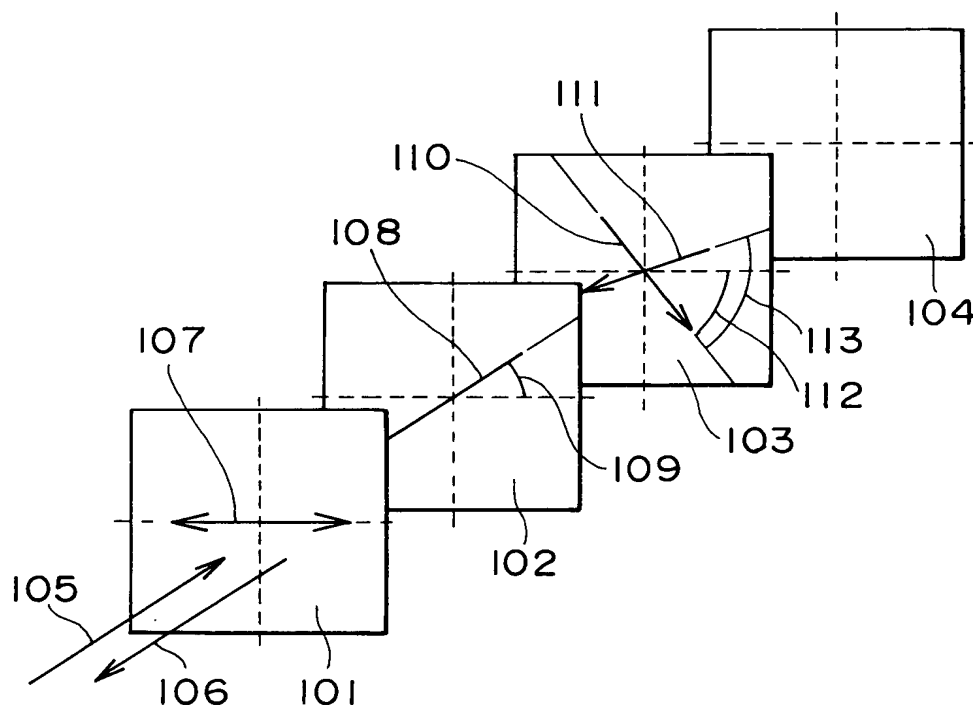


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1



004240" 29072950

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 2

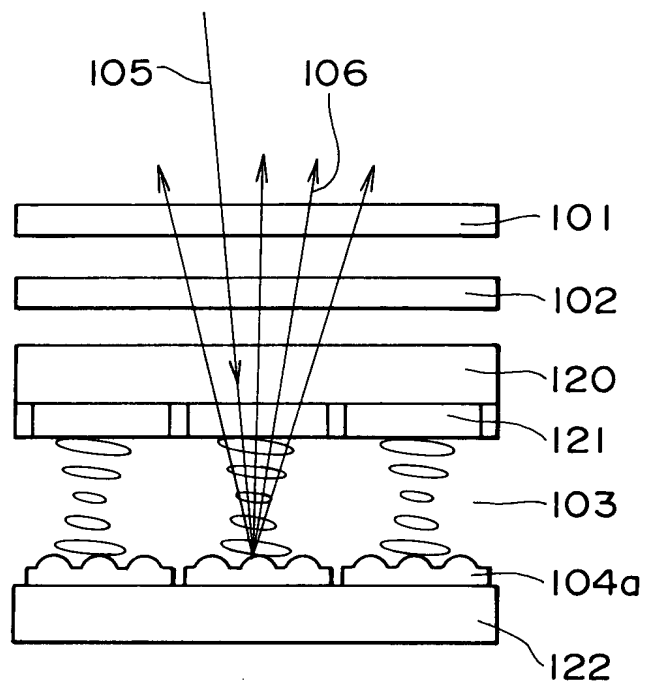
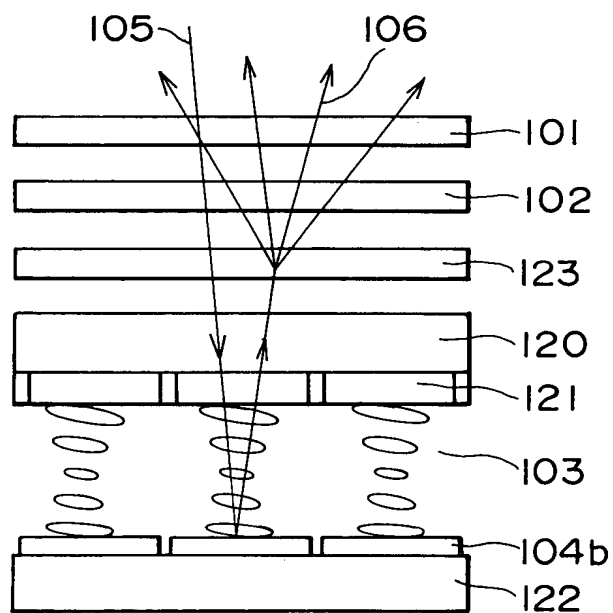
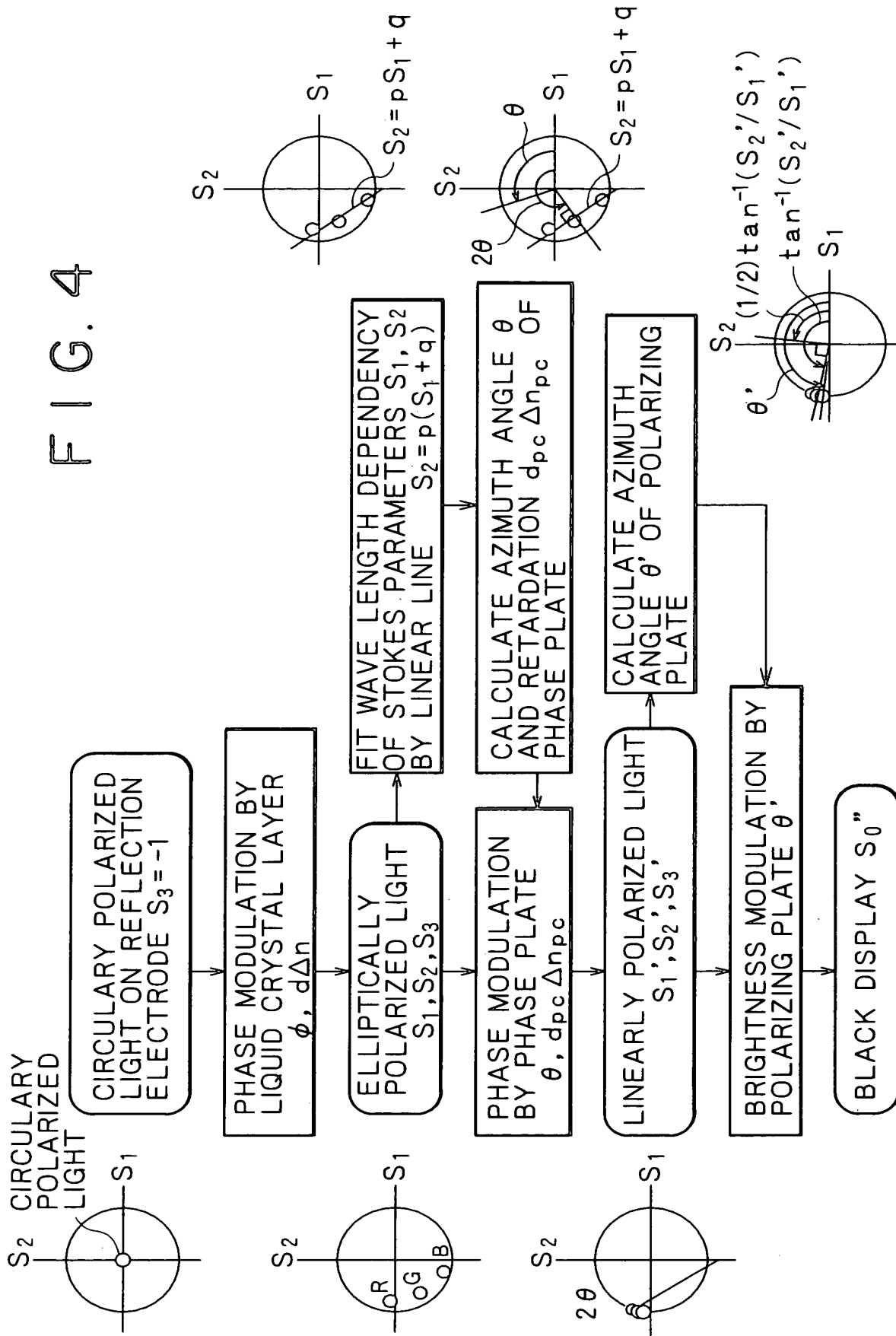


FIG. 3

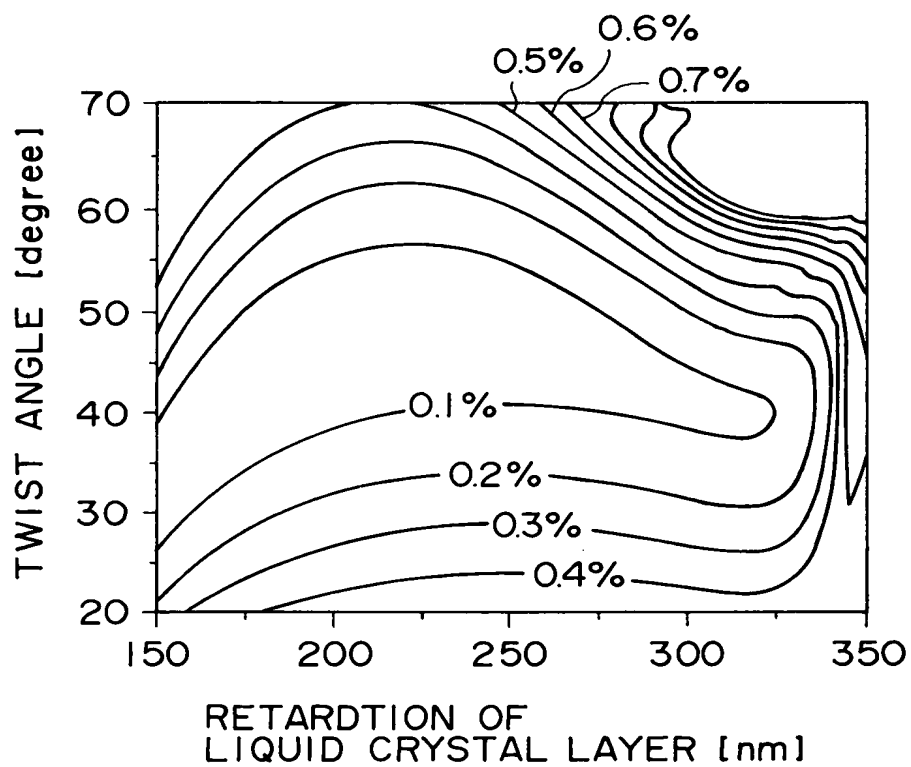


004270 20042050



APPROVED	O.G. FIG.	
BY	CLASS	REVISIONS
DRAFTSMAN		

FIG. 5



004220" 29042960

APPROVED	O.G. CIG	
BY	CLASS	SUBJECTS
DRAFTSMAN		

004220" 29042950

FIG.6

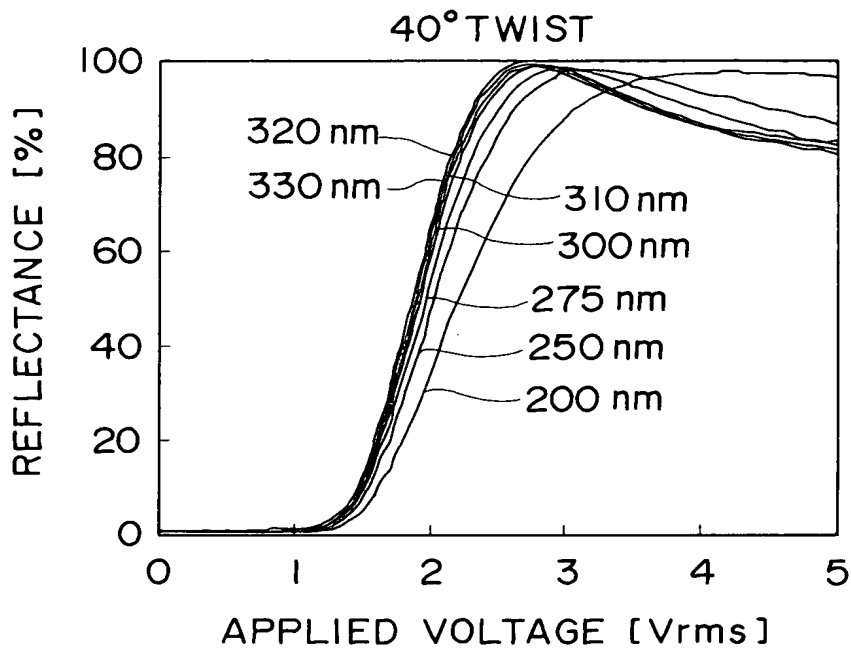
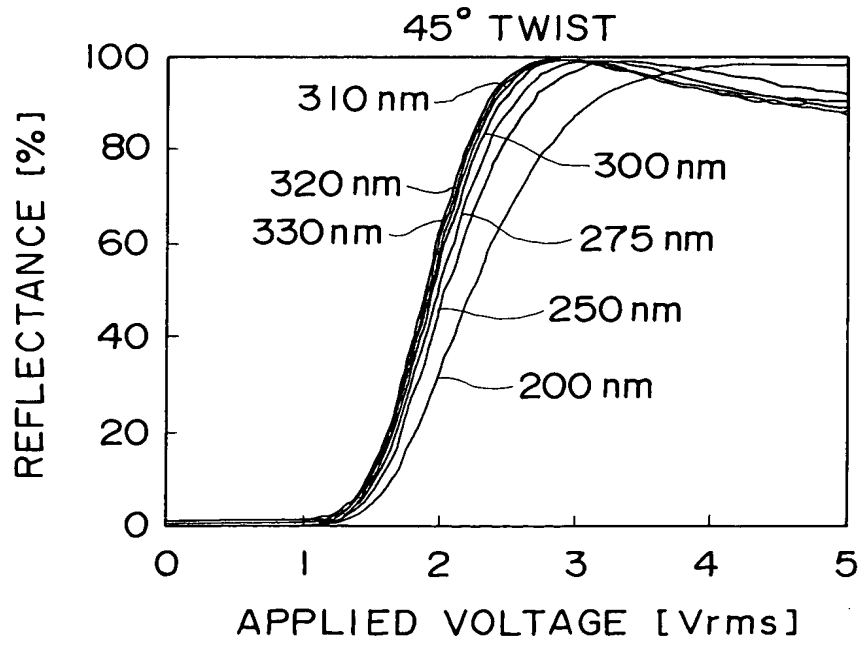


FIG.7



APPROVED	O.G. FIG.	
BY	CLASS	DATE
DRAFTSMAN		

FIG. 8

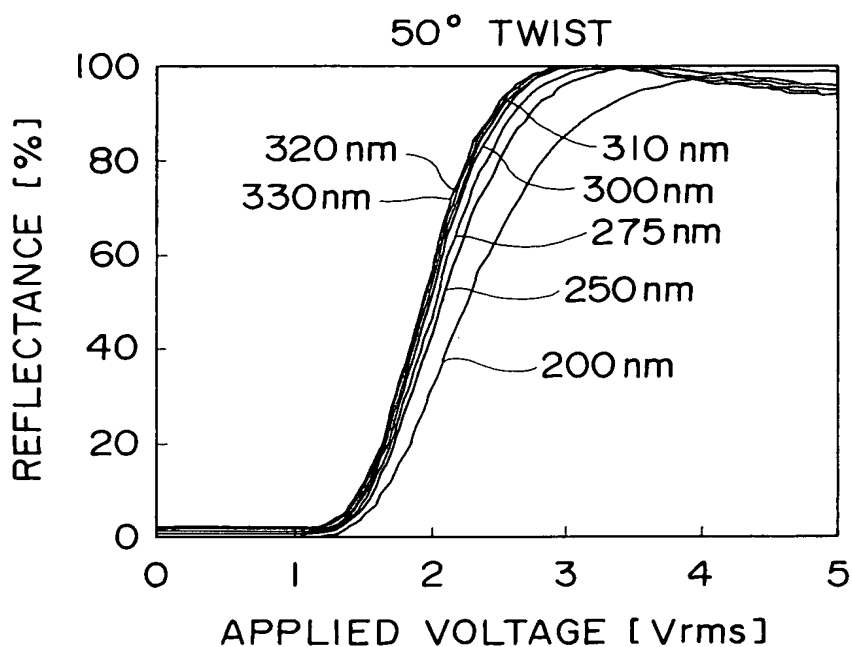
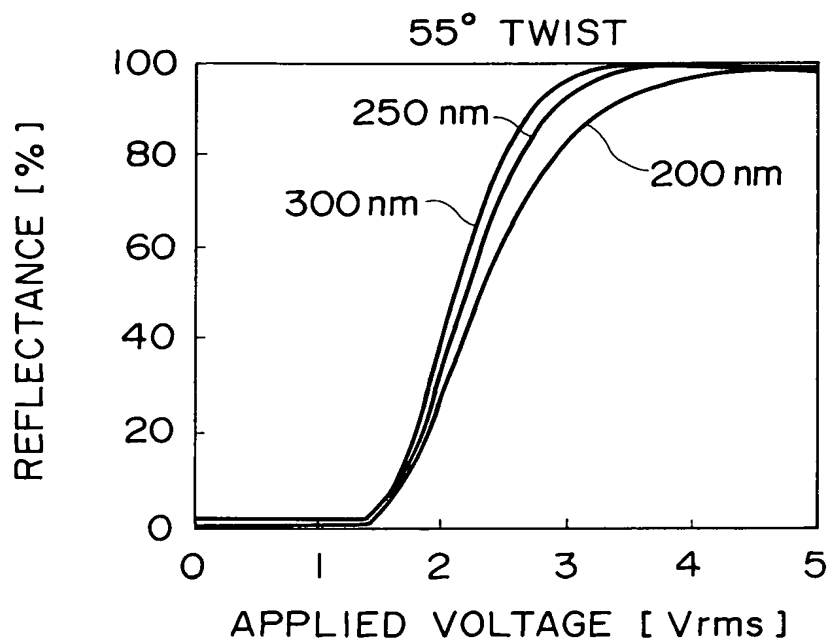


FIG. 9

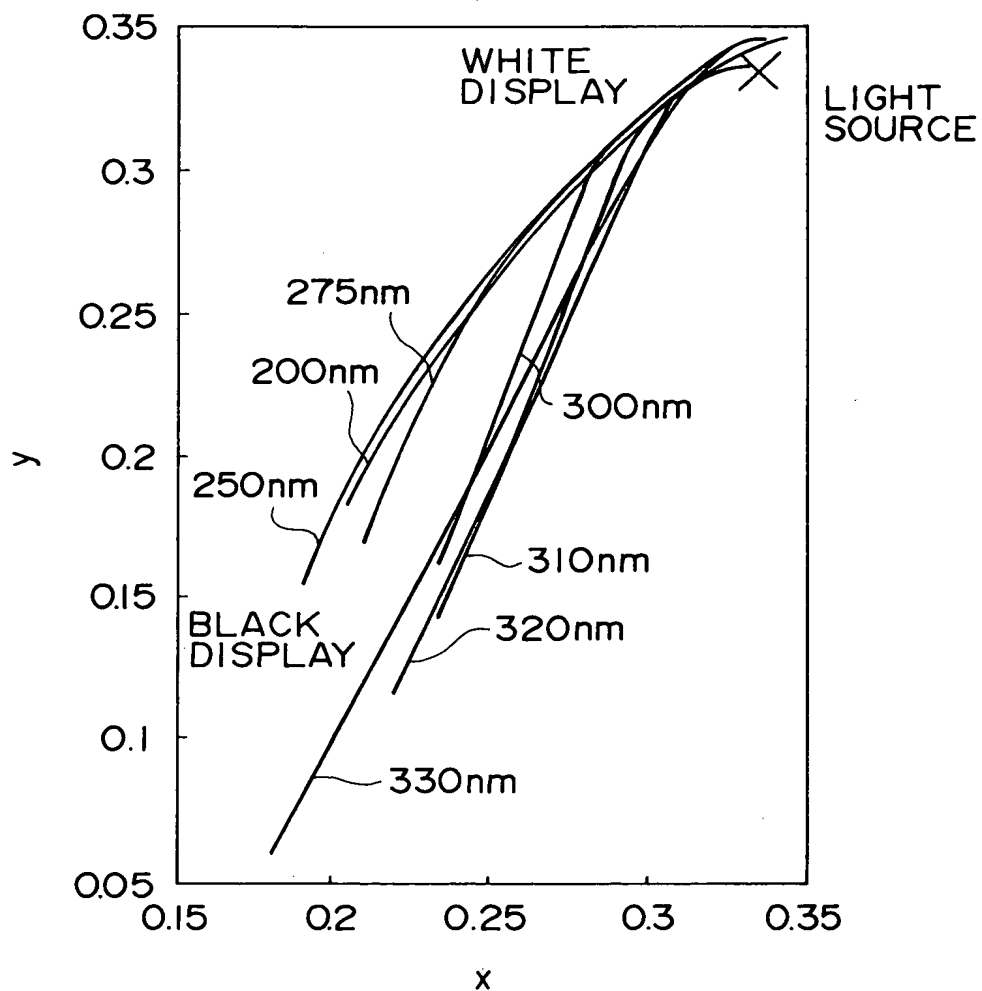


004220" 29042950

APPROVED	02	1977
BY	CLASS	CLASS
DRAFTSMAN		

FIG. 10

40° TWIST

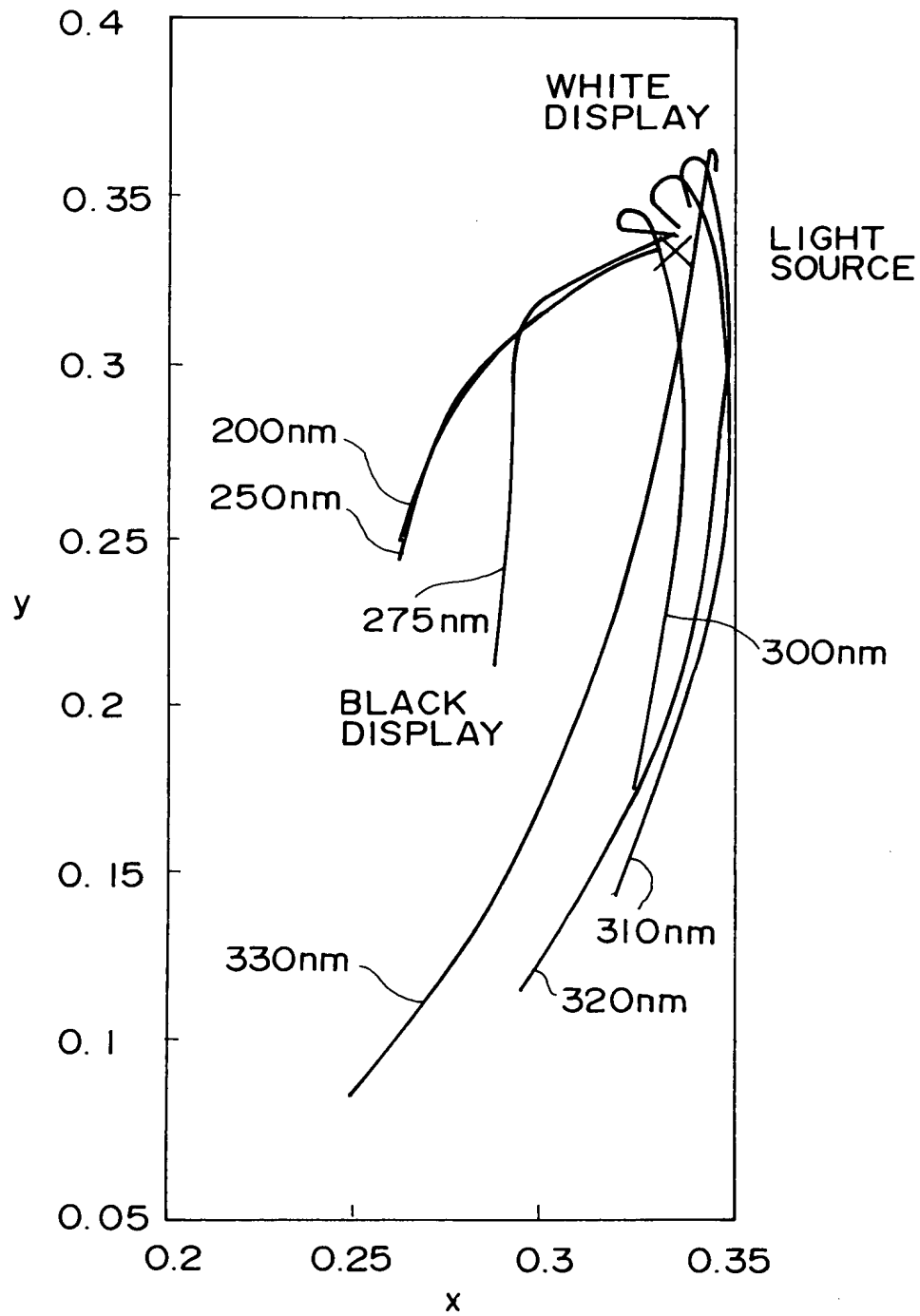


034260-29042950

APPROVED	O.G. FIG.	
BY	CLASS	DATE
DRAFTSMAN		

FIG. 11

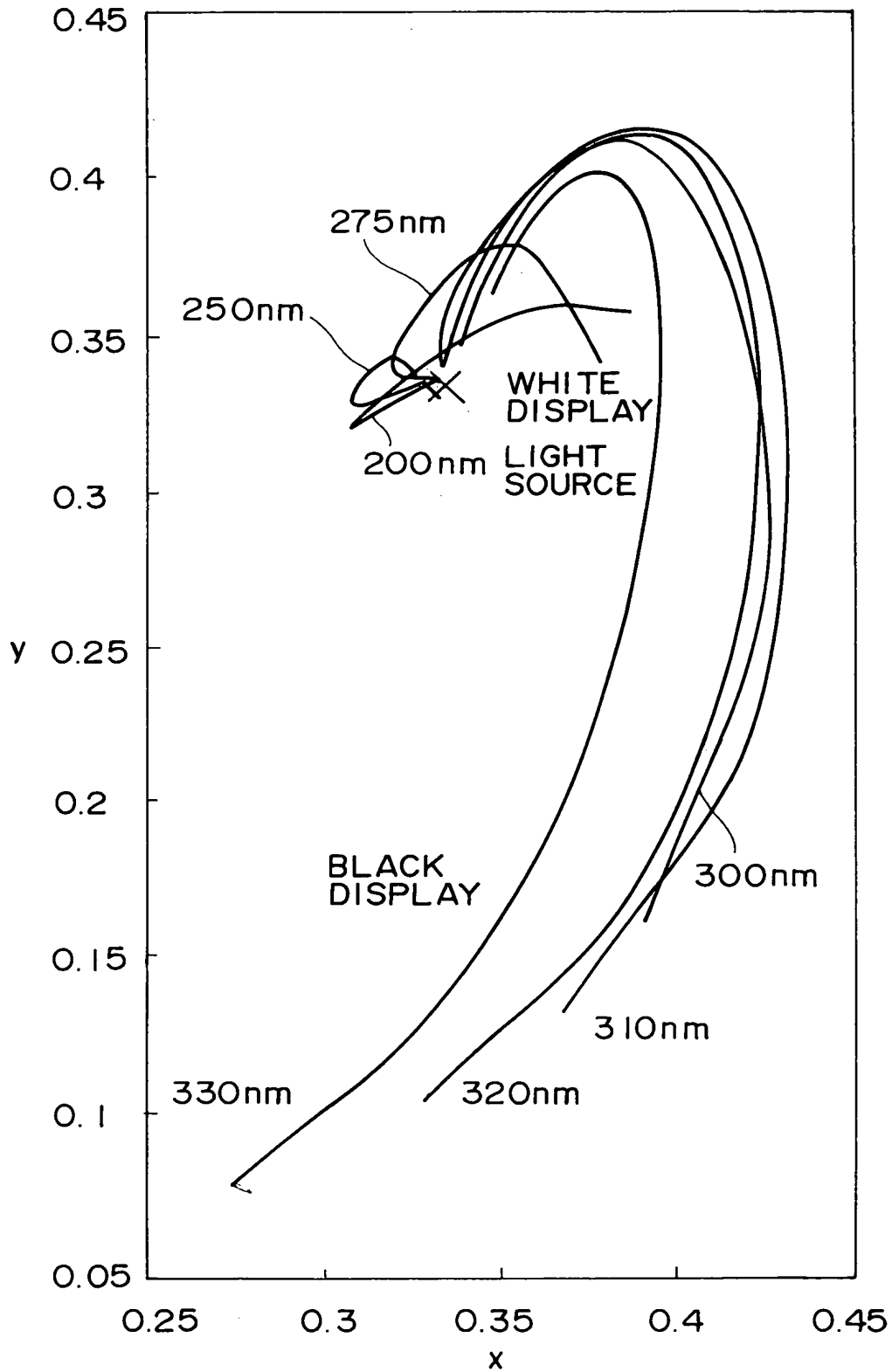
45° TWIST



004270-29942950

FIG. 12

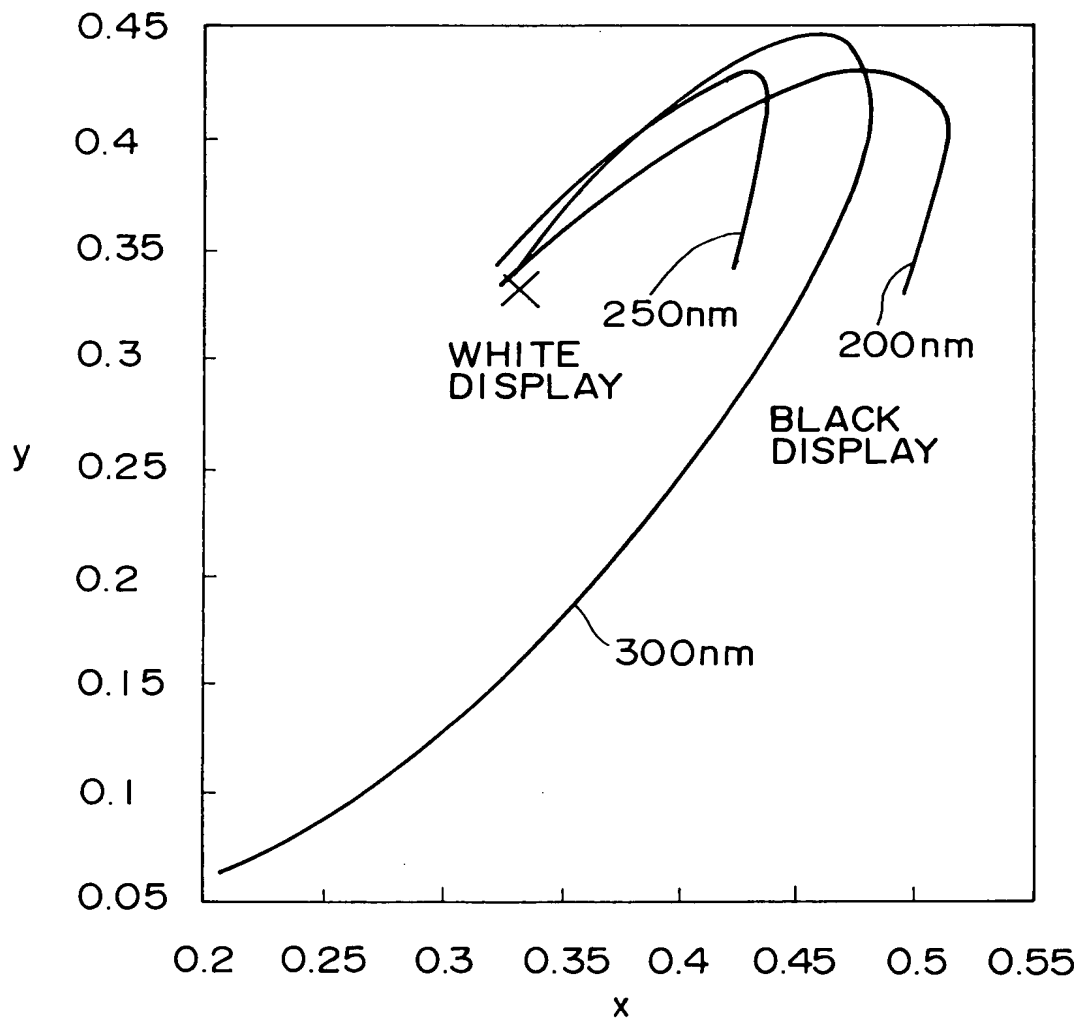
50° TWIST



004270 28042950

FIG. 13

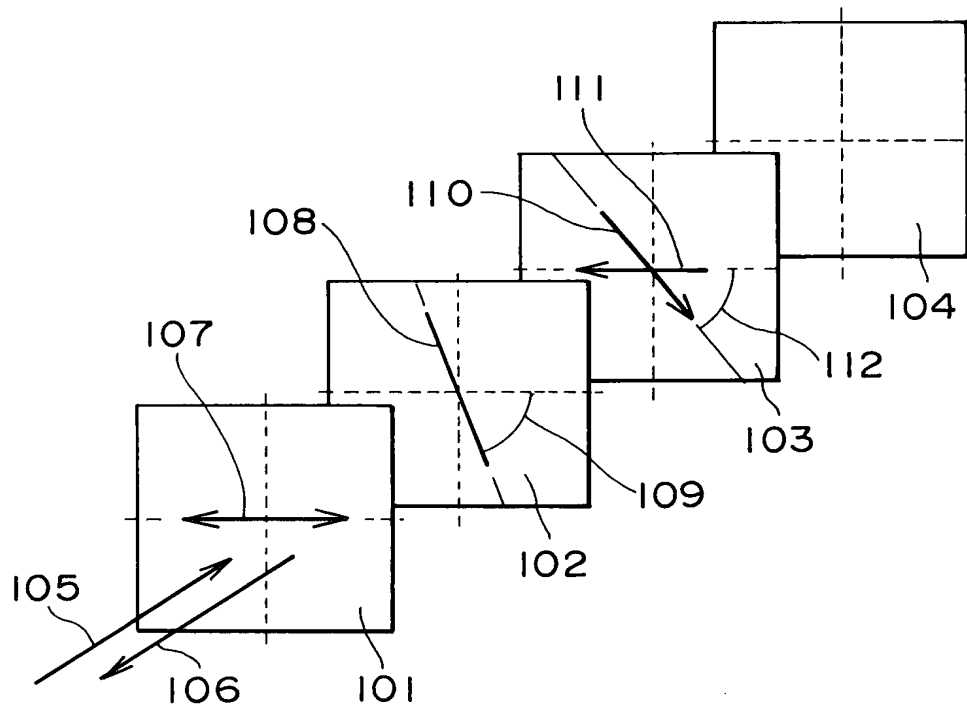
55° TWIST



004240-2904960

APPROVED	13 197
BY	AL SS (10/11/75)
DRAFTSMAN	

FIG. 14



004270 29042950

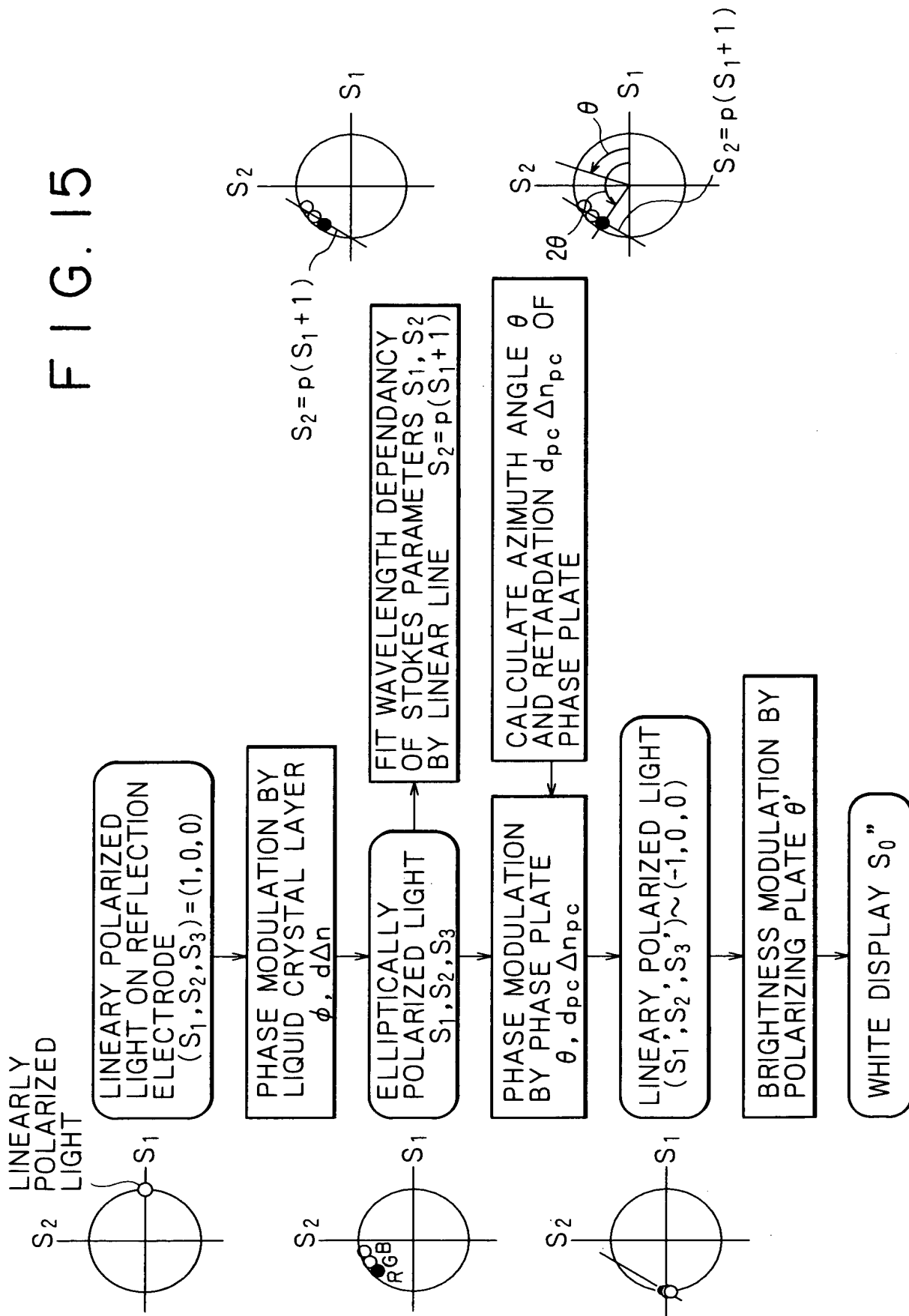


FIG. 16

50° TWIST

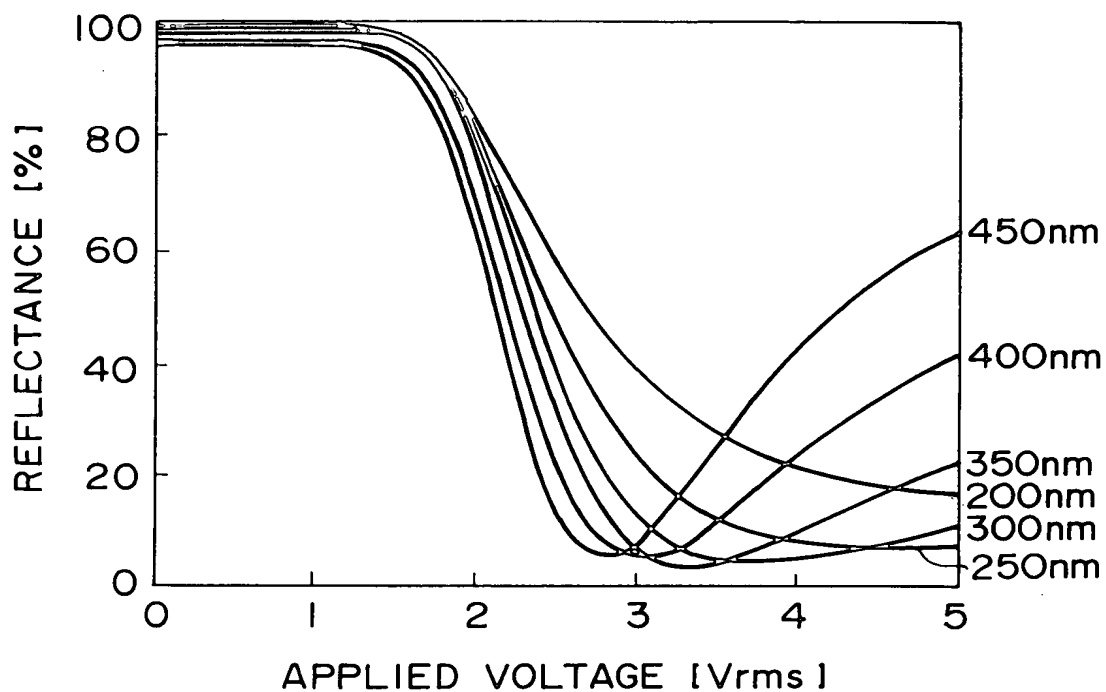
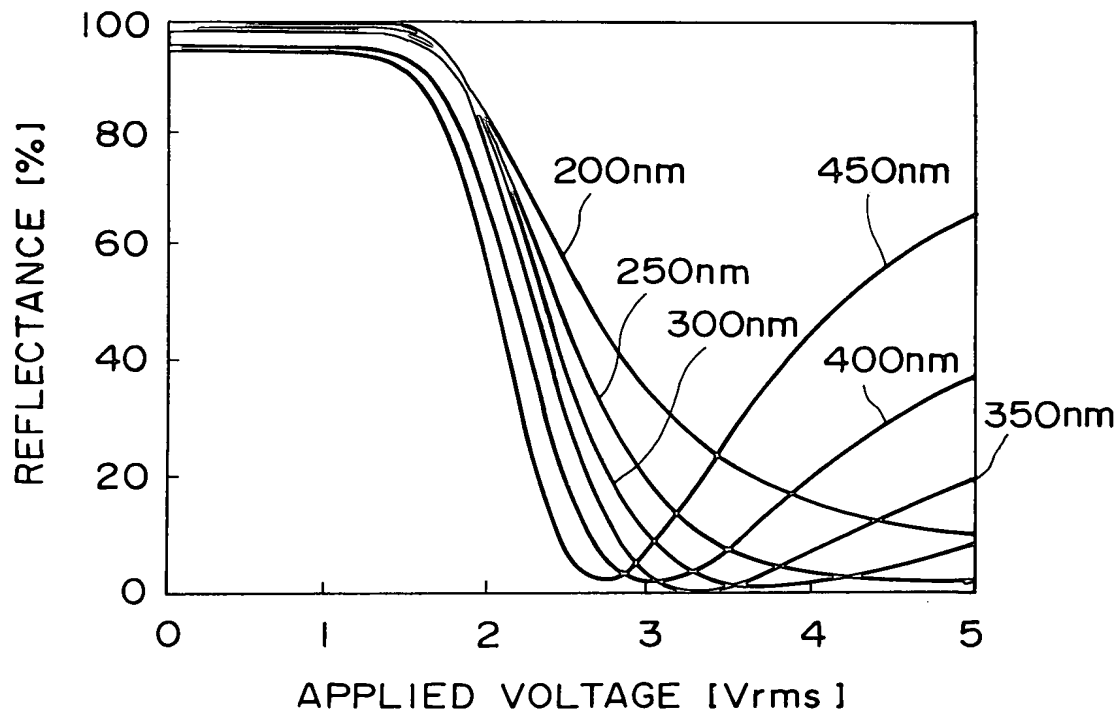


FIG. 17

55° TWIST



004240-29042950

FIG. 18

60° TWIST

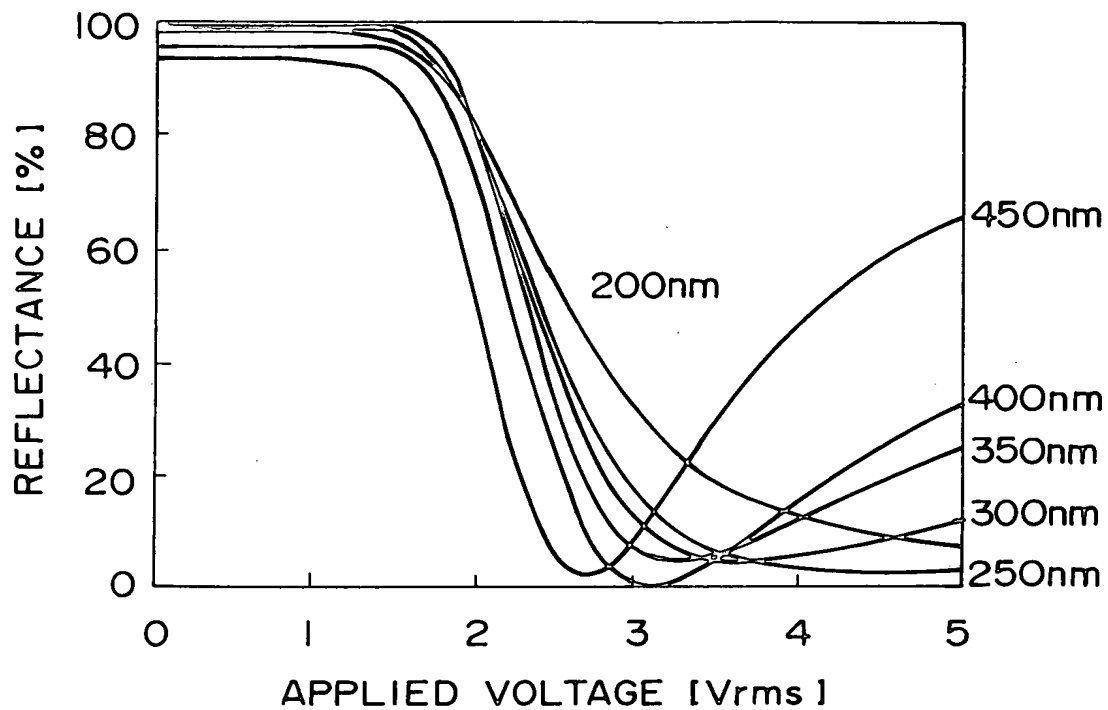
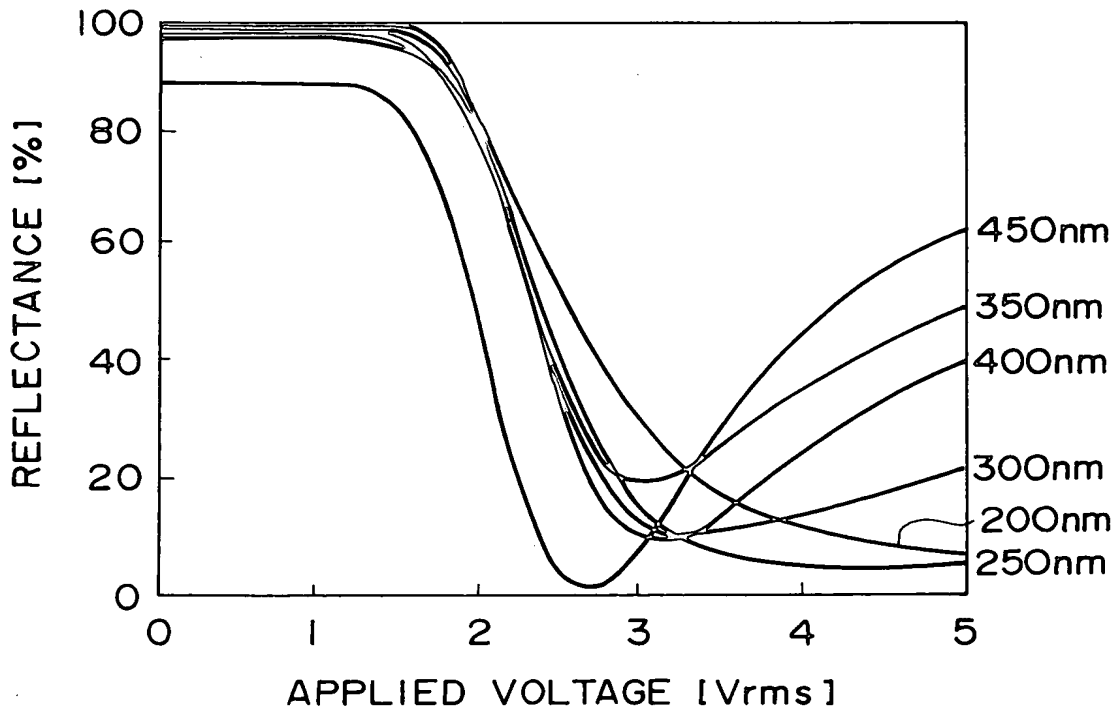


FIG. 19

65° TWIST



004220" 29042950

FIG. 20

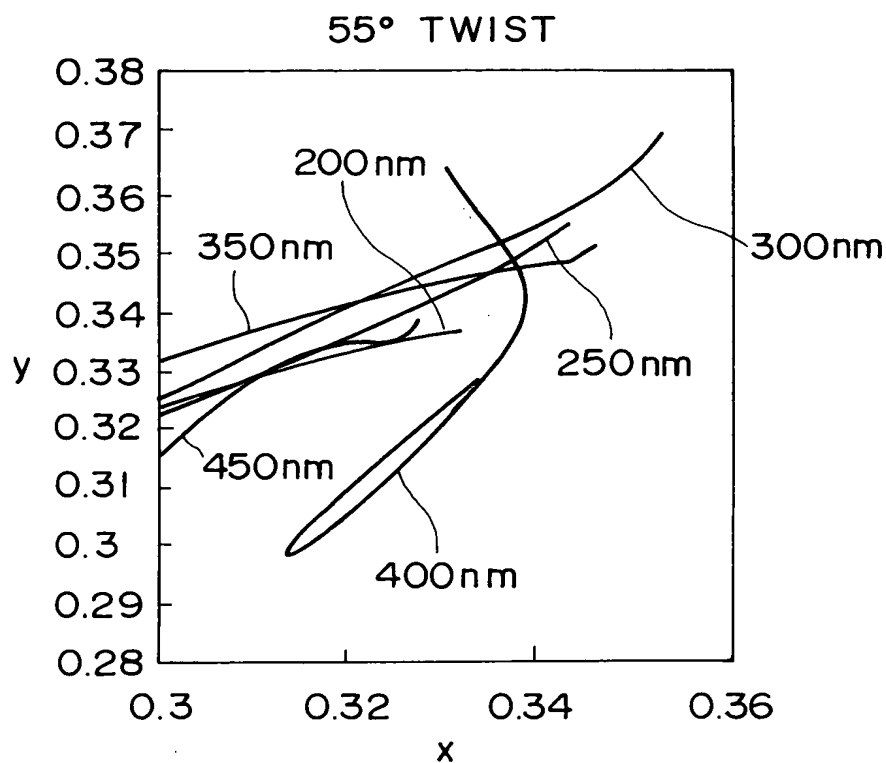
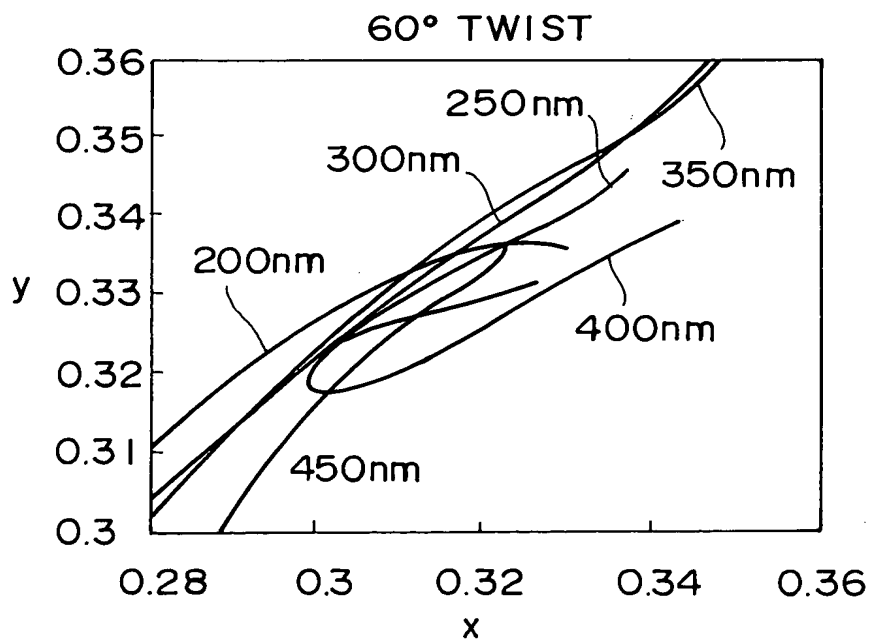


FIG. 21



004220-22042260

FIG. 22

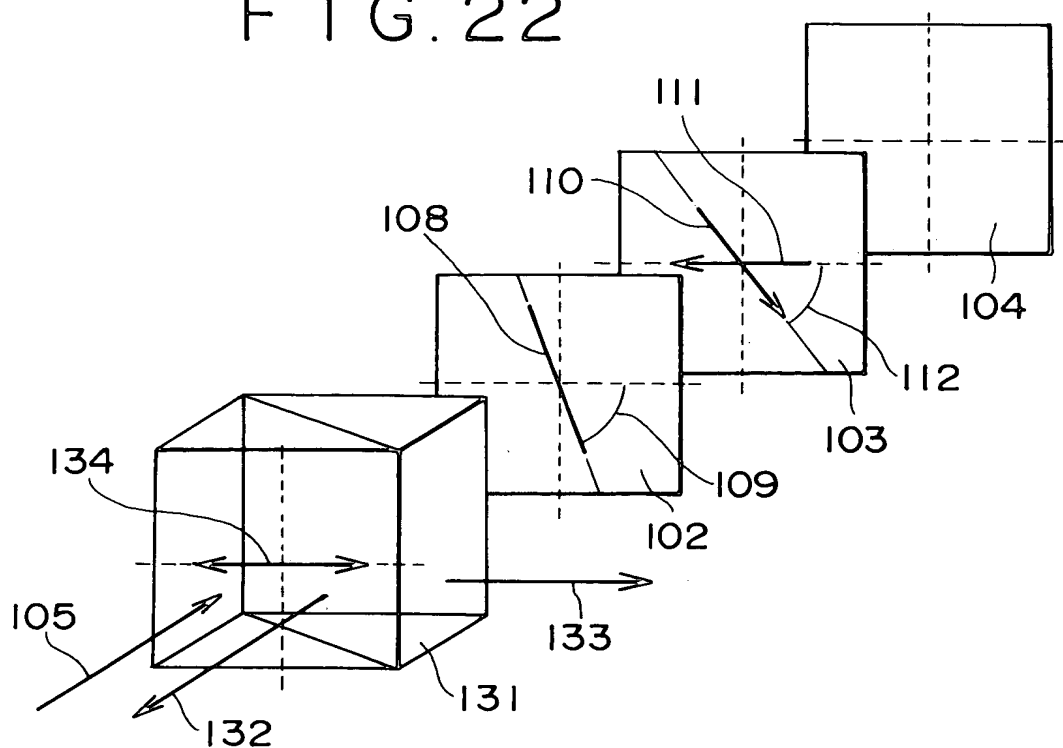
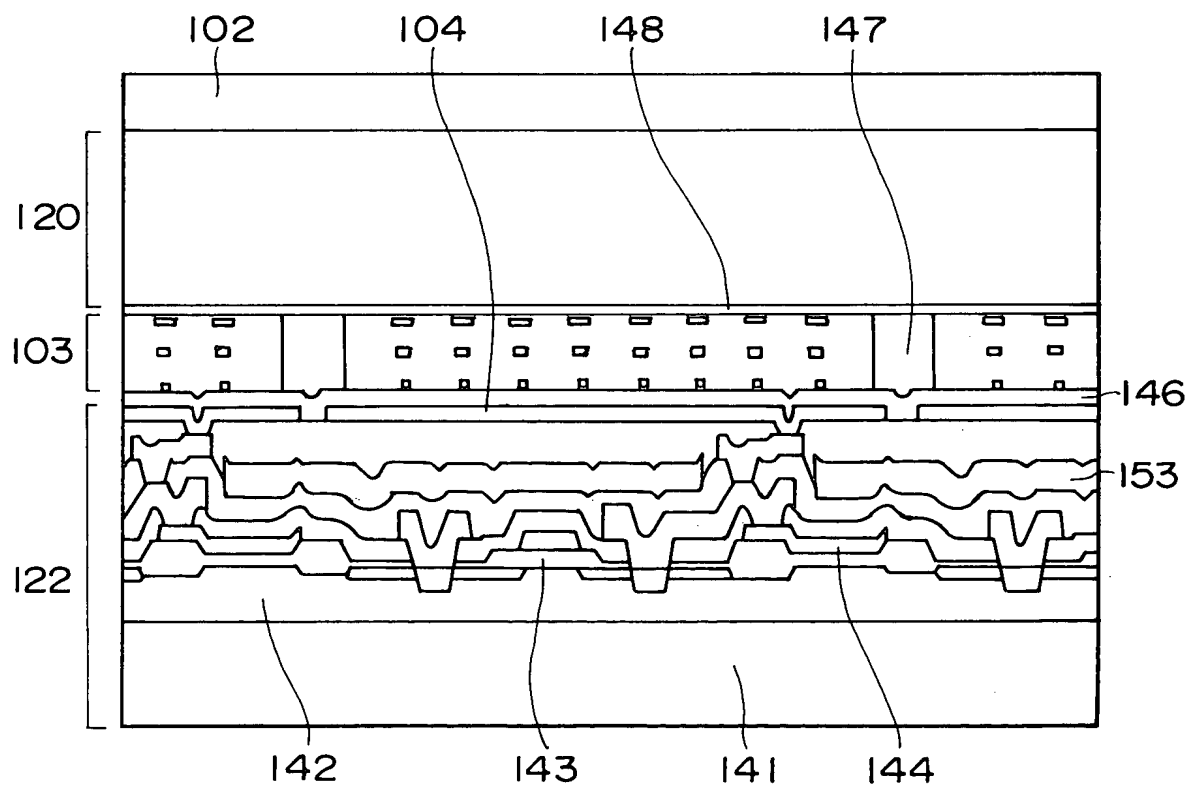


FIG. 23



004270 28942860

FIG. 24

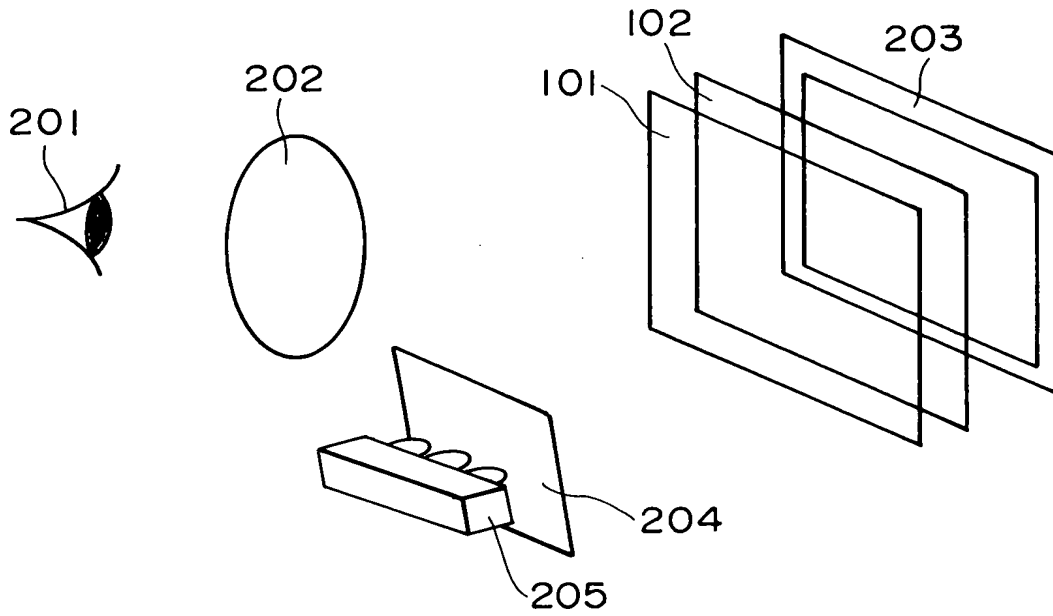


FIG. 25

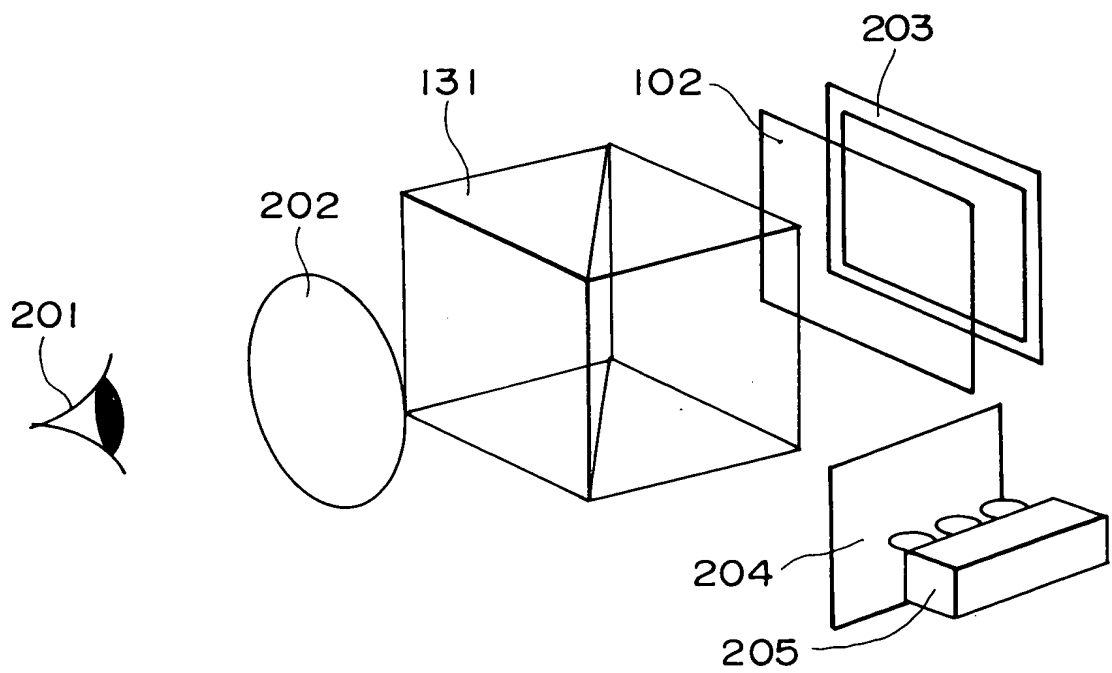


FIG. 27

RETARDATION OF LIQUID CRYSTAL LAYER[nm]	TWIST ANGLE [degree]	LIQUID CRYSTAL ORIENTATION ANGLE [degree]	PHASE PLATE AZIMUTH ANGLE [degree]	PHASE PLATE RETARDATION [nm]	CONTRAST RATIO
200	40	-22	71	334	374
200	45	-19	74	332	794
200	50	-17	77	328	559
200	55	-16	80	320	205
250	40	-29	70	385	297
250	45	-27	73	383	527
250	50	-26	76	379	462
250	55	-24	78	370	244
275	40	-31	70	409	330
275	45	-29	73	406	413
275	50	-28	76	401	241
275	55	-28	81	410	65
300	40	-32	71	433	316
300	45	-31	75	430	222
300	50	-30	78	423	106
310	40	-32	72	445	262
310	45	-31	75	441	163
310	50	-30	79	434	79
320	40	-32	72	458	194
320	45	-31	76	456	122
320	50	-30	80	450	62
330	40	-32	72	476	116
330	45	-31	76	477	88
330	50	-30	80	477	52

0564362.02400

FIG. 28

RETARDATION OF LIQUID CRYSTAL LAYER[nm]	TWIST ANGLE [degree]	PHASE PLATE AZIMUTH ANGLE [degree]	PHASE PLATE RETARDATION [nm]	CONTRAST RATIO
200	50	52	154	6
200	55	50	144	9
200	60	48	137	13
200	65	44	133	15
250	50	58	140	14
250	55	55	122	35
250	60	51	108	41
250	65	46	101	21
300	50	65	145	25
300	55	63	118	60
300	60	59	91	23
300	65	50	73	10
350	50	70	173	29
350	55	71	146	113
350	60	70	109	22
350	65	66	70	5
400	50	71	216	20
400	55	73	196	67
400	60	74	162	185
400	65	75	110	10
450	50	70	255	19
450	55	72	250	35
450	60	74	242	49
450	65	75	220	66

0364062-072400